

Affordable energy efficient glass with active insulation technology



Energy

Description

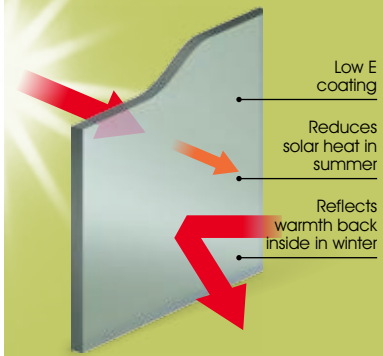
SmartGlass is a range of single glazed toughenable Low E products offering insulation and a choice of solar protection, with low reflectivity ideally suited to the demands of Australian residential applications. SmartGlass provides excellent performance and versatility for single glazed windows.

SmartGlass has been selected for Australian climate conditions to assist in achieving energy Star Ratings for home designs, whilst still capturing natural light and views. Manufactured using hardcoat Low E coating for excellent durability and ease of processing and handling.

Features and Benefits

- ◆ Low E insulation with a choice of solar protection performance for residential applications
- ◆ Provides a straight forward energy efficient alternative to ordinary glass
- ◆ Durable pyrolytic Low E coating ideal for single glazing
- ◆ Low reflectivity
- ◆ Can be toughened for Grade A Safety glass
- ◆ Suitable for most standard single glazed window frames

SmartGlass™



As you can see in this actual thermal image, SmartGlass reflects heat back into the room, helping keep occupants warm when it's cold outside.

Compare this to the ordinary glass window, where heat freely escapes to the outside.



Applications

- ◆ New homes
- ◆ Residential renovations
- ◆ Replacement and retrofit glazing

Maximum sizes

- ◆ SP10 Clear 5100 x 3210mm
- ◆ SP30 Neutral 5100 x 3210mm
- ◆ SP35 Grey 5100 x 3210mm
- ◆ SP40 Green 5100 x 3210mm

How to specify

- ◆ **Select glass name**
SmartGlass
- ◆ **Select thickness – process**
4 or 6mm – annealed
4 or 6mm – toughened
- ◆ **Select colour**
Refer to product range chart

Product range

Product	Thickness (mm)	
	4	6
SP10 Clear	◆	◆
SP30 Neutral	◆	◆
SP35 Grey	◆	◆
SP40 Green	◆	◆

Performance data

Product	Visible trans. %	Visible reflect.% (external)	Visible reflect.% (internal)	Solar trans. %	Solar reflect. %	UV trans. %	U Value (W/m ² °C)	SHGC	Shading coeff.
4mm SmartGlass									
SP10 Clear – Polaris	83	11	11	68	11	54	3.7	0.72	0.83
SP30 Neutral – Panoramic	61	8	10	46	8	44	3.7	0.53	0.62
SP35 Grey – Dusk	50	7	9	45	7	21	3.7	0.53	0.62
SP40 Green – Oasis	68	9	10	37	7	18	3.7	0.47	0.54
6mm SmartGlass									
SP10 Clear – Polaris	81	11	12	65	10	48	3.6	0.69	0.80
SP30 Neutral – Panoramic	63	9	10	45	8	41	3.7	0.53	0.62
SP35 Grey – Dusk	40	6	9	37	7	16	3.7	0.47	0.55
SP40 Green – Oasis	61	8	10	28	6	12	3.7	0.40	0.47